

\$300 tuition rise predicted

By Dave Simon

Next year's tuition increase will probably be in the range of \$200 to \$300, according to Chancellor Paul Gray '54.

The final decision on the tuition increase will be made next spring, Gray said, after "we have found out which scenario, as far as the rate of inflation goes, is correct."

Gray expressed concern over the financial situation of the Institute. He said that MIT had hoped this year to eliminate the use of portions of the endowment (permanent funds of the Institute) to balance the budget, but that the budget deficits last year were several million

dollars larger than had originally been expected.

In an effort to increase the amount of operating funds available to the Institute, MIT last year increased the size of its freshman class from about 1050 students to 1150 students. MIT hopes within the next several years to eventually raise the freshman class size to around 1350 students.

MIT also launched a \$225 million Leadership Fund Campaign last spring in an effort to increase its endowment. So far the fund drive has only raised \$48 million, but, according to Gray, this is because last spring and summer were used to orga-

nize the campaign. The fund drive is expected to stretch out over a period of five years.

The drive is MIT's third since World War II, following the Mid-Century Drive in 1950 and the Second Century Fund, launched in celebration of MIT's centennial in 1961. Both of those drives exceeded their targets of \$20 million and \$60 million respectively by large amounts.

Gray also expressed concern that "as the prices of private institutions rise faster than those of public institutions, schools such as MIT will become the private precinct of the rich, or the Institute will have to lower its standards."

New House funding uncertain

By Gerald Radack

Planning has stopped on proposed extensions to the Institute housing system because of difficulty encountered in financing the new west campus dormitory.

Director of Finance John Curry said that the administration delayed permanent financing of the New House because of the high interest rate on the tax exempt bond market, now 8 per cent, which he blamed on the "New York City fiasco."

The cost of the dorm was \$6.4 million, of which \$5.9 million has now been paid, Curry explained, adding that the money to pay for the dorm was "advanced" from a general Institute fund and must eventually be replaced.

MIT is also trying to find a donor for the building, or to find people to donate the cost of the individual units that make up New House.

Although the New House plans were drawn so that its current size could be doubled by adding some units similar to the current ones, Executive Assistant to the Vice President for

Operations Richard Sorenson said that "it is not our intention to start another dormitory right away. If we had a lot of resources, I think we would."

Kenneth Wadleigh, Vice President and Dean of the Graduate School, said, however, that "we're still not out of the woods on Institute housing," and pointed to a need for additional graduate and undergraduate housing.

Wadleigh said that there is a shortage of housing because "we opted to build high quality housing, and students seem to prefer it." He noted also that commercial housing in the Boston area is "very expensive."

"We ought to be happy," Wadleigh noted. "A lot of institutions build a lot of housing and don't have students to live in it."

Sorenson noted that even if more money were available, it would not necessarily mean that more housing would be built. "We need not only housing but athletic facilities, library facilities, renovated classrooms, endowments for student aid," he

said.

If MIT does not get donations to cover the cost of the new dorm and is forced to sell bonds, Wadleigh said, the rent there will be higher than it otherwise would be, because the interest payments would be included in the rent.



Chancellor Paul E. Gray '54

Roger Goldstein



A. David Bocca

The new west campus dormitory has been built and occupied — now all MIT has to do is find some way to pay for it. The building cost \$6.4 million; it is temporarily being funded from a general Institute fund.

Center stresses 'clean' energy

By Rich Newcome

Boston Wind, the first alternative energy center in the Boston area, will soon offer classroom and workshop instruction to the public.

Since its organization in 1973, Boston Wind has been devoted to providing the Boston community with an information center on clean, regenerative sources of energy, according to founders Bob Daley and Richard Ziedman.

Presently the co-founders plan to offer two courses in which interested individuals may be trained to build, design, or install practical energy systems. "Tentative plans call for the first sessions to begin Saturday morning, November 15," said Ziedman, "while solar energy workshops are being planned for January."

One course will involve a systematic overview of the wind electric system for home use. It will deal with alternative energy philosophy, wind energy generation, design, and cost factors.

The other course will place more emphasis on designing and building a wind driven generator. More technical in nature, it will be taught by MIT graduate student Herman Drees.

Drees, who will be teaching one of the most complete courses ever offered in wind design, has developed his own self-starting vertical axis wind turbine for home use," Daley commented. "He has already been funded to put his prototype into production."

Besides classes, lectures and slide presentations on the philosophy of alternative energy, wind power history, wind generator operation, and applications are available.

Boston Wind has also made available Alternative Energy and Life Support Systems information not currently available at libraries or other local centers. "We will be expanding our resource library which now contains several technical manuals, designs, bibliographies and information on manufacturing and research organizations," said Daley.

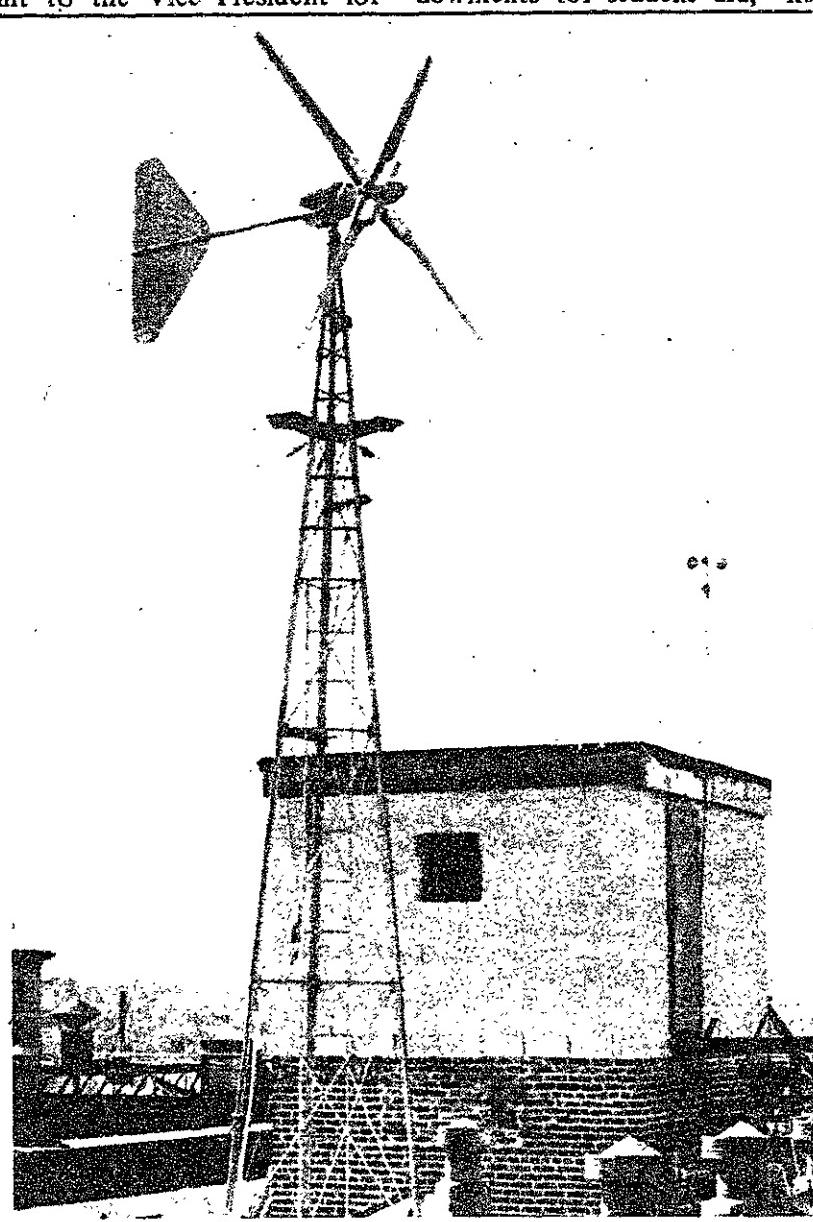
Work that provided the foundation for Boston Wind began at the Habitat Institute for the Environment, Belmont, Mass., in 1973. The project has been supported by donations of materials along with a technical, professional, and volunteer labor force.

As a non-profit organization, Boston Wind depends upon pri-

vate contributions from its members to carry out many of its programs. An associate membership is available to anyone with an interest in its goals. Membership includes use of its resource library, quarterly newsletters and monthly meetings for the exchange of information.

For those interested in any of Boston Wind's programs, an open house will be held October 19 at 12 noon at the Jamaica Plain Factory. "We invite anyone interested to look over our literature and discuss our programs," said Ziedman. "We at Boston Wind see the energy problem as more than a scarcity of available fossil fuels. The real crisis lies in the choice of solutions. We have joined the efforts of many concerned groups of people to implement clean, regenerative solar and wind energy sources."

The Friday, Sept. 26 issue of *The Tech* incorrectly stated that undergraduates could not take two electives pass-fail. The sentence should have read, "an undergraduate may now take a total of two electives pass-fail in the third and fourth years." *The Tech* regrets the error.



This windmill supplies all electrical power for Boston Wind, an alternative energy center in Boston.



The Parking Committee would like to see less of this and more people riding mass transit or bicycles. The Committee is attempting to comply with Environmental Protection Agency regulations calling for a 25 per cent reduction in parking facilities at MIT and throughout the area.

Campus parking cuts planned

By Eileen Mannix

In an effort to comply with EPA regulations requiring a 25 per cent cutback of MIT parking spaces, the MIT parking Committee will submit a report next week to the Massachusetts Department of Transportation outlining MIT's parking needs.

According to Phillip Stoddard, Vice President for Operations, the Committee was formed to help create workable alternatives to the use of automobiles occupied by a single person. The modes of transportation being encouraged by the committee are mass transit, bicycles, and car pooling.

Reynolds Thompson, Director of Long Range Planning, says that once the committee has submitted its report, it will be up to the Commonwealth to decide how best to implement an efficient car pooling program at MIT.

Once the car pooling program is under way, said Thompson, car poolers will receive parking priority over non-car-poolers.

Thompson said that MIT will be working on other measures required by EPA during the interim preceding the state's involvement. Bus schedules will be ordered and distributed in the MIT community. Plans are also underway for more bicycle compounds like the guarded facility at Building 13.

Thompson said he expects that prepaid pass programs offered by the MBTA will be made available to employees. He also hopes to purchase the large MBTA maps directly from the printer by placing a joint order with other area universities and with large local corporations

classified advertising

WEDDING PHOTOGRAPHY
Free lance wedding photographer will give you a complete documentary of your wedding from beginning to end in slides & prints. Reas. priced. 327-1069.

Good TENNIS/SQUASH player with car and initiative wanted for part time job. Call Paul or Barbara 522-2045.

TRAVEL!... EARN MONEY!... Be a Campus Representative for New England's largest travel agency. Interested students, write GARBER TRAVEL, 1406 Beacon St., Brookline, MA 02146 or call (617) 734-2100 collect to Peter Johnson.

Hi-Fi components for sale; 25-50% off on most brands. All components in factory sealed cartons with cards. Full warranty; one day delivery, 30 day exchange on defective units. Call Bob, 253-4242 (keep trying).

such as Draper Labs and Polaroid. Thousands of these maps may be placed in locations throughout the Institute.

MBTA officials will discuss suggestions for expansion and improvement of service with transportation committees representing universities and corporations in the community.

The duties of MIT's Parking Committee, says Thompson, are to make every effort possible to meet the 25 percent reduction goal, while simultaneously providing the employees most affected with alternatives that will make the apparent inconvenience of not taking their cars to work more palatable.

MIT will not necessarily be penalized, however, if that goal is not achieved even after complying with EPA regulations. In this case, a request for "hardship" consideration could be made to traffic officials, so that

on-street parking, now threatened by a Cambridge ban that would be in effect from 7-10am, would be granted to "overflow" cars, presumably from car-pools.

Thompson suggests that the greatest difficulty involved lies in the fact that the EPA's program is essentially "trying to change the behavior" of the entire community convincing an automobile-oriented populace that alternatives do exist, and should be used wherever possible for the sake of an endangered environment.

The Parking Committee's efforts to discourage use of vehicles by single occupants are now being implemented as a result of the court cases that have followed the passage of the Clean Air Act in 1970.

ECONO-CAR OF CAMBRIDGE

905 MAIN ST.

(corner of Main & Market)
(617) 492-3900

\$3.99

FATH'S NOODLE HOUSE

Serving the Best Popular Noodles Dishes:
Singapore Curry Noodle
Meat or Shrimp with Chinese Vegetable Topping
Pan Fried Egg Noodles
Daily-made Soft Rice Noodles
Priced at about \$2.00

11 Hudson St. Chinatown
542-6424

The insurance helpline: 876-0876.

What's "No-fault"? How much is apartment insurance? We'll give you the answers to all your insurance questions without giving you a sales pitch. Just call Dick Ramsey any weekday.

W.T. Phelan & Co. Insurance Agency Inc. Since 1898

11 Dunster St., Harvard Square (next to the Holyoke Center).
876-0876. Representing Aetna, Travelers, Hartford.

Atomic Ltd. Inc. Welding and Fabrication

Within walking distance of MIT

All Metals including Exotic Metals
Vacuum Chambers and Systems
Prototypes and General Fabrication
Machine Shop Facilities

Fabricators of "Rector".

Many MIT Departments and Labs have used our services for over 10 years.

27 Tudor St., Cambridge, MA 876-8530

The Tech

John J. Hanzel '76 - Chairperson
Michael D. McNamee '76 - Editor-in-Chief
Julia A. Malakie '77 - Managing Editor
John M. Sallay '78 - Business Manager
Continuous News Service Since 1881
Vol. XCV, No. 36 September 30, 1975

Third Class Postage paid at Boston MA. *The Tech* is published twice a week during the academic year (except during MIT vacations) and once during the first week of August. Please send all correspondence to: P.O. Box 29 - MIT Branch, Cambridge, MA 02139. Offices at Room W20-483, 84 Massachusetts Avenue, Cambridge, MA. Telephone: (617) 253-1541. Subscription rates available upon request.

ROYAL MANDARIN

546 MASS. AVE., CENTRAL SQ.
CAMBRIDGE 547-2299

★ AUTHENTIC SZECHUAN, ROYAL PEKING CUISINE

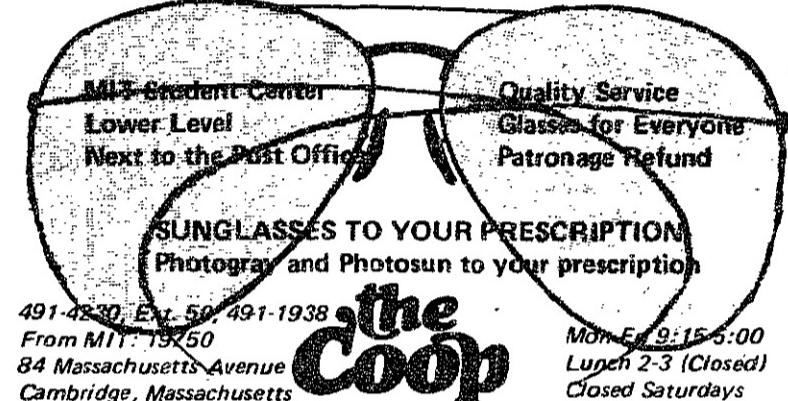
★ WELL-KNOWN CHEF CHU TO SERVE YOU

★ BANQUET AND TAKE-OUT

open 11:30am-11:00pm



Tech Coop Optical



is NOW in

CENTRAL SQUARE

492-0517

590 Mass. Ave.

Bring this ad
and get a free
Pepsi with any
purchase.

The best in
Fast Food —
Service and
Atmosphere

Hillel Courses

1975 Fall Semester

SUNDAYS

7pm BEGINNING TALMUD — with Rav Lichtenstein
8pm ADVANCED TALMUD — with Rav Lichtenstein

MONDAYS

6pm MUSAR SELF-GROWTH GROUP — with Rabbi Mel Gottlieb
— a course in psycho-ethical exhortations; explorations of values and feelings important in your life, within a group context.
— open to seniors and graduate students.
8pm JEWISH PHILOSOPHY — with Heidi Raven-Riettafia
— an examination of various philosophical approaches prevalent in history tracing the Aristotelian approach, the existential approach which understands Jewish suffering as unjust, ethical approaches which examine Judaism as an ascent to holiness, among others. (Maimonides, Halevy, Bachya, Buber, Fackenheim)

TUESDAYS

11am RELIGION AS A PHENOMENON — with Rabbi Mel Gottlieb (1-136)
7pm CANTILLATION (JEWISH MUSIC)
— an introduction to reading the Torah and other Jewish liturgical music so that you can participate actively in services.
8pm ADVANCED HEBREW — with Tali Mor

WEDNESDAYS

11am BASIC JUDAISM — with Rabbi Mel Gottlieb
— an exposure to and examination of the basic values and tenets of the Jewish tradition.
12noon ECUMENICAL BIBLE — with Rabbi Mel Gottlieb
— a study of the Old Testament and implications which lead to values within both the Jewish and Christian traditions.
7pm HEBREW THROUGH LITERATURE — with Tamar Auerbach
8pm BEGINNING HEBREW — with Tamar Auerbach

THURSDAYS

7pm THE PROPHETS — with Ardon Gador
— a description of the basic ideas and personalities of the Prophets based on traditional archaeological and historical evidence.
8pm MODERN JEWISH HISTORY — with Bob Frankel
— a thorough examination of Socialism and Zionist history as well as several related topics.

FOR RESERVATIONS OR MORE INFORMATION CONTACT:
MIT Hillel Office
312 Memorial Drive (W2A)
x-2982

**Association of
Student Activities
GENERAL MEETING**
W20-400 7:30 PM
October 2

Agenda includes:
— Election of new Secretary
— Student Center ventilation
— Space reallocation

Recycled Clothing Compassionately Priced

Jeans
Khaki and green army pants4.50
3.50Leather jackets
Corduroy pants\$18.35
4.00**GREAT EASTERN**
Trading Co.

49 RIVER ST CENTRAL SO CAMBRIDGE

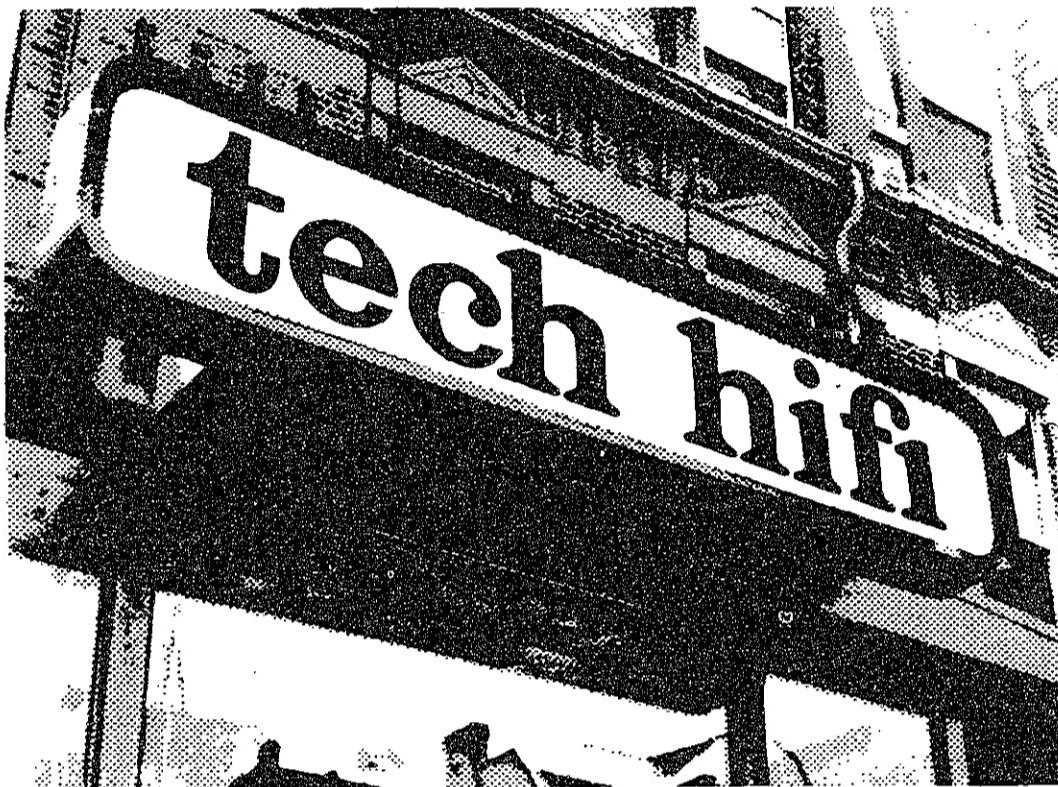
**A BRILLIANT
SPECTACLE**

a documentary film from China on the first Asian-African-Latin American Table-Tennis Friendship Invitation Tournament held in Peking, Aug-Sept 1973. A colorful record of the festive events include dances, songs, tours and games. Shown 8pm, Sept. 30 (Tuesday) in Room 9-150. FREE ADMISSION ALL WELCOME MITCSC

NO STEREO DEALER CAN BEAT THIS DEAL.

Only Tech Hifi guarantees you **in writing** that no stereo dealer offering services similar to ours will beat our prices. Or we'll pay you back the difference.

We call it Price Protection. And it's in effect for an entire month after you buy your components.



Among other good deals waiting for you at Tech Hifi right now is the absolute best \$299 system you'll ever hear.

It includes famous KLH 101 two-way acoustic suspension loudspeakers, a quality Pioneer Sound Project 300 am/fm stereo receiver, and a fully-equipped BSR 2260X automatic turntable. Tech's price is more than \$130 off the combined manufacturers' suggested prices for these components!

And while Tech Hifi's Price Protection Policy guarantees you the lowest price, our thirteen *other* Customer Satisfaction Policies guarantee your complete happiness. In writing.

This week only:

\$299

PIONEER
BSR **KLH**

182 MASSACHUSETTS AVE., CAMBRIDGE 864-HIFI

In Massachusetts: Harvard Sq., MIT, Newbury St., Comm Ave., Dedham, Framingham, Waltham, Stoneham, Amherst, Northampton, Hanover, Brockton and Worcester. Stores also in New Hampshire, Vermont, Connecticut, Rhode Island, New York, New Jersey, Michigan and Ohio.





The IM A-league touch (?) football season continued Sunday, as Lambda Chi Alpha edged the Trojans, 7-0, and Sigma Alpha Epsilon and Delta Upsilon (shown above) fought each other almost evenly, with SAE emerging a 12-9 winner.

Dave Martin

Foul Shuts

By Glenn Brownstein

Pictures for a Sunday afternoon: Cleveland Indian reliever Tom Buskey gesturing to the large, happy Fenway bleacher crowd. Holding a baseball aloft in one hand, Buskey moves from left field to right field, drawing the cheers from the Sox faithful as their hopes of getting the prized ball rise or fall with each movement. Buskey finally flips the ball into the second row, eliciting some boos, but another Cleveland player picks up a ball, and the crowd starts screaming again.

- Indian starter Roric Harrison picking up a Red Sox rooter's cap thrown onto the field, taking off his own, and wearing the white cap for the rest of the pre-game workout.

- A Boston lineup that includes Steve Dillard, Andy Merchant, Chuck Hobson, Tim Blackwell, and Bob Heise.

- A giddy fan, attired entirely in bright red, dancing on the Cleveland dugout to the rhythmic applause of the spectators, until the Fenway guards close his act down.

- A standing ovation for broadcaster Ken Harrelson, who makes a clean catch of a foul ball hit into the press box.

- The obligatory field-swarming at the end of the game, with the ritual tearing down of the numbers and team names from the scoreboard. One boy is perched on his brother's shoulders, proudly displaying a "Texas" placard for all to see.

- Sunshine.
A thought: leaving the ballpark after the game, not really believing that in just six days the American League playoffs will begin at little Fenway, wondering if what is to follow can match what has already passed, somehow hoping that maybe the baseball season will never end....

All-you-can-eat feasts...from \$2.95

SUNDAY, WEDNESDAY,
THURSDAY AND FRIDAY NIGHTS:

- All the broiled or fried Fish of the Day 2.95
- All the golden fried Louisiana Shrimp 4.95
- All the fried Surf-Cakes stuffed with Crab 2.95
- All the crisp Chesapeake Fried Clams 3.95
- All the fresh Baked Boston Scrod 3.95
- All the Maryland Fried Chicken 3.95

Monday night: All the Sirloin Steak 5.95
(USDA Choice, the finest of its kind)

Tuesday night: All the Prime Rib of Beef 5.95
(USDA Choice, cut right from the rib)

PLUS

All the soup you can ladle.

PLUS

All the salad you can make.

PLUS

All the French Fries and hot breads.

Children under 6 ... FREE.

SEAFOOD SPECIALS ONLY

EMERSONSTM

Cocktails, wine and beer available.

Lawrence—75 Winthrop Avenue (Route 114)—687-1191
This Seafood Special available Only in Lawrence.

Sports

Cross-country falls to WPI, RPI

By Dave Dobos

Worcester Poly and Rensselaer solidly defeated MIT in the annual Engineers Cup cross country meet last Saturday at Worcester. It was a disappointing effort from a highly-touted, New England ranked MIT squad.

Junior Frank Richardson's performance was the only Engi-

neer highlight when he blazed to victory some 51 seconds ahead of his nearest competitor over the 4.9 mile course. However, WPI placed five men in the next seven to win with a low score of 25 points. RPI followed with 46 and MIT's 52 trailed the field.

Richardson and senior co-captain Courtney McCracken

were the only two MIT athletes to improve their performances from the time-trials a week ago. The Engineers hope to better their 0-2 record Saturday as they take on Coast Guard, Wesleyan, and New Hampshire at Boston's Franklin Park. Last year MIT defeated all three teams.

The MIT JV squad trounced their counterparts, placing sixth in the top eight. Freshmen Kim Eastman, Rudy Bellinger, Mark Schwartz, and Richard Allen and upperclassmen Al Knauf '78 and Dave McDonough '76 combined for the low score of 23. WPI and RPI trailed with 50 and 60 points, respectively.

Engineer ruggers tie BU; 'B' squad battered, 46-0

By Charles Cox

MIT's rugby teams kicked off their fall season last Saturday at home as the 'A' side tied Boston University, 17-17, and the 'B' side was trounced 46-0 by BU's 'B' squad.

In the 'A' game, two quick tries (a try is worth four points unconverted and six converted), one by freshman Fred Beretta, playing his first rugby game ever, put MIT in front, but a scoring duel developed that left the Engineers on the short end

of a 17-14 count late in the game. With little time remaining, MIT converted a clutch penalty kick (worth three points) to knot the score at 17.

The 'B' game was completely dominated by BU from the opening whistle. A combination of errors and inexperience crippled the Engineer 'B' side and enabled the Terriers to roll up the lopsided score.

BU scored nine tries, five of them converted to account for its 46 points.

In the Friday, Sept. 26, issue of *The Tech*, the women's tennis photographs accompanying the caption were inadvertently switched. Stella Perone '78 was pictured on the left and Anne Averbach '77 was shown on the right. *The Tech* regrets the error.

HIGH ADVENTURE STARTS AT 2500 FEET



- First jump course • only 3 hours \$70
- World's largest and safest parachute company
- Over 250,000 jumps • Our 17th year
- Free brochure

ORANGE PARACHUTE CENTER
P.O. Box 90, Orange, Mass. 01364
Phone: 817-544-6911
Telex: 928-439

LAKWOOD PARACHUTE CENTER
P.O. Box 258, Lakewood, N.J. 08701
Phone: 201-363-4900
Telex: 13-2482

\$33,500,000

UNCLAIMED SCHOLARSHIPS

Over \$33,500,000 unclaimed scholarships, grants, aids, and fellowships ranging from \$50 to \$10,000. Current list of these sources researched and compiled as of September 5, 1975.

UNCLAIMED SCHOLARSHIPS

369 Allen Avenue, Portland, Maine 04103

I am enclosing \$12.95 plus \$1.00 for postage and handling.
(Check or money order — no cash, please.)
If you wish to use your charge card,
please fill out appropriate boxes below:

<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>		<input type="checkbox"/>

Expiration Date
Month/Year _____
Master Charge
Interbank No. _____

Credit
Card No. _____
Name _____

Address _____

City _____ State _____ Zip _____

Maine residents please add 5% sales tax.

PLEASE RUSH YOUR
CURRENT LIST OF
UNCLAIMED SCHOLARSHIPS
SOURCES TO:

HUMANITAS: AN EVOLVING PERSPECTIVE

Ideas and Images of Humanity in the West

A weekly seminar for the MIT community

Thursdays, 4:00-6:00 PM

Lecture Hall 9-150

OCTOBER SEMINARS

October 2	<i>Medieval Images of the Human: Religion, Art, Science</i>	Harry Bober (N.Y.U.)
October 10	<i>Renaissance Ideas of Human Nature</i>	Myron Gilmore (Harvard)
October 21	<i>Michangelo and the Metaphor of the Body</i>	Leo Steinberg (U. of Pennsylvania)
October 28	<i>The Copernican Revolution</i>	Owen Gingerich (Harvard)

CONVENER: JUDITH WECHSLER, Associate Professor of the History of Art, M.I.T.

SPONSORED BY
THE TECHNOLOGY AND CULTURE SEMINAR